

ICWE'07 Workshops, Como, Italy, July 2007 – Marco Brambilla, Emilia Mendes, Editors
Workshop proceedings of the 7th International Conference on Web Engineering
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International World Wide Web
Conference Committee



Workshop list

AEWSE'07: workshop on Adaptation and Evolution in Web Systems Engineering

Editors: S. Casteleyn, F. Daniel, P. Dolog, M. Matera, G.-J. Houben, O. De Troyer

AWSOR'07: workshop on Aligning Web Systems and Organisation Requirements

Editors: D. Lowe, D. Zowghi

IWWOST'07: 6th workshop on Web-Oriented Software Technologies

Editors: M. Winckler, O. Pastor, D. Schwabe, L. Olsina, G. Rossi

MDWE'07: 3rd workshop on Model-driven Web Engineering

Editors: A. Valledillo, N. Koch, G.-J. Houben

QWV'07: workshop on Web quality, Verification and Validation

Editors: M. A. Moraga, C. C. Munoz, M. A. Caro Gutierrez, A. Marchetto, A. Trentini, T. Bultan

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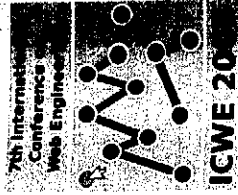
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Workshop proceedings of the 7th International Conference on Web Engineering
ICWE'07 Workshops, Como, Italy, July 2007 – Marco Brambilla, Emilia Mendes (Eds.)



**7th International Conference
on Web Engineering**
Como, Italy, July 16-20, 2007



www.icwe2007.org

Workshop Proceedings

Editors: Marco Brambilla, Emilia Mendes



Workshops

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7th International Conf. on Web Engineering

Como, Italy, July 2007

ICWE 2007 Workshops

Editors

Marco Brambilla, Politecnico di Milano (Italy)

Emilia Mendes, University of Auckland (New Zealand)

Preface

Web Engineering is a young discipline containing numerous research challenges being investigated by its research community, some of which more pressing than others. Of these, two of the most important relate to the development and maintenance of Web applications since the frequent pressure of time to market faced by Web companies must co-exist with the delivery of high quality Web applications. To tackle these challenges Web engineering research must inform practice with the necessary mechanisms to enable practitioners to:

- Obtain and fully understand user requirements very early on in the development life cycle
- Design and implement applications using the best set of available models/tools/techniques, the least amount of time, and providing the best possible quality. Quality here is often characterised by high usability and reliability.

It is pleasing to see that this year the five workshops to take place during the 7th International Conference on Web Engineering together encompass the mechanisms abovementioned, thus representing a wide and complementary spectrum of research related to Web development and maintenance.

These five workshops and corresponding organisers are as follows:

- **AEWSE'07** - Second International Workshop on Adaptation and Evolution in Web Systems Engineering (Organisers: Sven Casteleyn, Florian Daniel, Peter Dolog, Marietella Matera, Geert-Jan Houben, Olga De Troyer)
- **IWWOST'07** - Sixth International Workshop on Web-Oriented Software Technologies (Organisers: Marco Winckler, Oscar Pastor, Daniel Schwabe, Luis Olisinal, Gustavo Rossi)
- **MDWE'07** - Third International Workshop on Model-Driven Web Engineering (Organisers: Antonio Vallecillo, Nora Koch, Geert-Jan Houben)
- **AWSOR'07** - 1st Workshop on Aligning Web Systems and Organization Requirements (Organisers: David Lowe, Didar Zowghi)
- **WQVV'07** - First Workshop on Web quality, Verification and Validation (Organisers: Maria Angeles Moraga, Coral Calero Munoz, Maria Angélica Caro Gutierrez, Alessandro Marchetto, Andrea Trentini, Teyfik Bultan)

We received nine workshop submissions of which six were selected. Of these, two were joined, making it a total of five workshops to take place during ICWE'07.

I would like to thank the workshops' organisers for their excellent work putting together a very exciting selection of papers and invited talks. And of course, to thank all the authors who submitted papers to the workshops.

I hope you all find the workshops thought provoking and engaging, and that the discussions and results presented make a strong contribution to the body of knowledge in Web Engineering and to advancing this discipline further.

June 2007

Emilia Mendes

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Int.l Conference on Web Engineering 2007

Workshop on Web Quality, Verification and Validation

Organisers

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Foreword

This volume contains the proceedings of the First Workshop on Web Quality, Verification and Validation (WQVV2007) that took part in conjunction with the 7th International Conference on Web Engineering (ICWE2007).

The main topics of the workshop were related to quality, verification and validation of web, fundamental factors nowadays when advances in technology and the spread of Internet have favoured the appearance of a great variety of Web software systems (i.e., applications, portals and Web services). The success of these technologies in several fields such as the electronic commerce and their increasing use in safety critical applications makes quality, validation and verification of Web-based software important and critical factors/problems. Developing "good" Web applications will require effective approaches, methods and tools to design, model, develop, evolve and maintain these software systems.

Considering all this, the objective of this workshop was to bring together members of the academic, research, and industrial community interested in quality, testing, analysis and verification of Web applications. We wanted to promote all these areas by giving to the researchers the opportunity of sharing their works and a place for discussing. Moreover, we hope to identify during the workshop possible future lines related to the topics of the workshop, establishing the foundations for the creation of a community of researchers with interest in these areas. Additionally, two invited speakers were held. One of these speakers was Silvia Abrahao from the Polytechnical University of Valencia in Spain, who talked about "Bridging the Gap between Model-driven Development and Web Project Estimation". The invited speakers are internationally recognized specialists in different areas and their talks have definitely contributed to increase the overall quality of the workshop.

The program of this workshop required the dedicated effort of many people. Firstly, we must thank the authors, whose research and development efforts are recorded here. Secondly, we thank the members of the program committee for their diligence and expert reviewing. Last but not least, we thank the invited speakers for their invaluable contribution and for taking the time to synthesize and prepare their talks.

July 2007

Maria Ángeles Moraga
Andrea Trentini
Program Chairs
WQVV2007

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